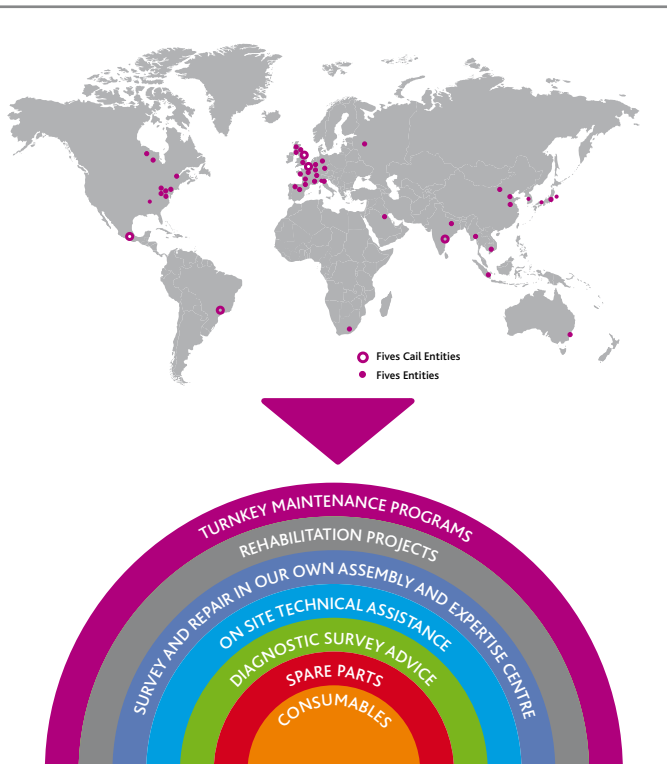


Spares and Services



→ The insurance of a comprehensive and reactive professional service

- A **wide range** of spares and consumables
- A **high quality** subject to a rigorous control in compliance with the regulations in effect and with your demands
- An **international purchasing network** able to negotiate best prices for spares
- A **tailormade service** handled by **dedicated on-site specialists**
- **Well-known logistical partners** to ensure a world-wide delivery
- Export documentation and customs **procedure expertise**

As experts in design and supply of process equipment for the sugar industry (beet and cane factories or refineries), Fives Cail teams combine their **spares and services department staffs' knowledge and expertise** to provide a **high performance/low cost global and professional offer** to all sugar producers.

Thanks to its worldwide purchasing capacity and its large experience in terms of logistics, Fives Cail offers **competitive and effective services** for improvement of your equipment performance.



Repair of a batch centrifugal basket after evaluation



Supply and replacement of the path ring of a RT diffuser

Turnkey solutions...

- Rehabilitation and refurbishment
- Modernization
- Upgrading

...for all types of equipment, and more specifically:

- Diffusers
- Crushing: shredders, cane-cutters and mills
- Steam turbines
- Centrifugals



- Low operating cost
- Ease of use
- Cleanliness / Hygiene

- Yield / Productivity
- Safety

Customer service at a glance...

More than	
3,000	Orders of spare parts and on-site interventions per year
3,000	Deliveries per year
35	Sales and project managers or intervention specialists at your disposal
200 000	Spares and various items referenced in our database
150	Maintenance worksites, repair or expert missions per year
100	Expert evaluations or equipment repairs at our Assembly and Expertise Centre per year

Global professional services



Comprehensive services:

- Overhaul, maintenance and repair of your equipment at the Fives Cail Assembly and Expertise Centre
- Engineered Spares: wear-and-tear parts replacement and maintenance, genuine spares and consumables
- Turnkey solutions adapted to your needs

Technical assistance

- On-site equipment appraisal, expert's advice for operation and productivity optimization
- Training of your maintenance personnel for enhanced effectiveness and productivity
- Survey, assessment and definition of spare parts inventories
- Preventive maintenance and emergency repairs in cooperation with the customer

Preventive and curative maintenance

Programs of maintenance for centrifugals comply with European regulation «dangerous machines»

Preventive maintenance programs for diffusers, centrifugals, mills and steam turbines:

- In-campaign survey
- Maintenance program adaptation
- Customer's spare warehouse evaluation
- Running tests

Non-destructive tests: magnetic particle and ultrasonic tests of any equipment
Engineered repair solutions tailored to your constraints

Quality requirements

- Accurate engineering criteria
- Fives Cail Quality Assurance